

PTO/SB/08 (2-92)
Sheet 1 of 17

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 514712000600

Application Number 10/682,332

Applicant

David L SHELTON et al.

Filing Date October 8, 2003

Group Art Unit ~~7644~~ 1647

Mailing Date June 23, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
JL	1.	10/08/2003	10/682,331	Shelton et al.			
	2.	10/08/2003	10/682,638	Shelton et al.			
	3.	12/24/2003	10/745,775	Pons et al.			
	4.	02/19/2004	10/783,730	Shelton et al.			
	5.	03/01/2004	10/791,162	Shelton et al.			
	6.	11/29/2001	2001/0046959	Buchovich et al.			
	7.	03/07/2002	2002/0028779	High et al.			
	8.	11/20/1973	3,773,919	Boswell et al.			
	9.	11/27/1984	4,485,045	Regen			
	10.	10/01/1985	4,544,545	Ryan et al.			
	11.	06/30/1987	4,676,980	Segal et al.			
	12.	07/28/1987	4,683,195	Mullis et al.			
	13.	07/28/1987	4,683,202	Mullis			
	14.	06/28/1988	4,754,065	Levenson et al.			
	15.	10/11/1988	4,777,127	Suni et al.			
	16.	01/24/1989	4,800,159	Mullis et al.			
	17.	03/28/1989	4,816,567	Cabilly et al.			
	18.	05/07/1991	5,013,556	Woodle et al.			
	19.	09/10/1991	5,047,335	Paulson et al.			
	20.	07/14/1992	5,130,311	Guillaumet et al.			
	21.	09/15/1992	5,147,294	Smith et al.			
	22.	06/15/1993	5,219,740	Miller et al.			
	23.	01/11/1994	5,278,299	Wong et al.			
	24.	08/30/1994	5,342,942	Jaen et al.			
✓	25.	04/25/1995	5,409,944	Black et al.			
JL	26.	06/06/1995	5,422,120	Kim			

EXAMINER: /Jon Lockard/

DATE CONSIDERED: 05/04/2006

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	Applicant David L SHELTON et al.	
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	Mailing Date June 23, 2004	

JL	27.	07/25/1995	5,436,265	Black et al.			
	28.	12/19/1995	5,475,995	Livingston			
	29.	03/19/1996	5,500,362	Robinson et al.			
	30.	04/23/1996	5,510,261	Goochee et al.			
	31.	04/23/1996	5,510,368	Lau et al.			
	32.	05/28/1996	5,521,213	Prasit et al.			
	33.	06/25/1996	5,530,101	Queen et al.			
	34.	07/16/1996	5,536,752	Ducharme et al.			
	35.	08/13/1996	5,545,806	Lonberg et al.			
	36.	08/13/1996	5,545,807	Surani et al.			
	37.	08/27/1996	5,550,142	Ducharme et al.			
	38.	09/03/1996	5,552,422	Gauthier et al.			
	39.	10/15/1996	5,565,332	Hoogenboom et al.			
	40.	10/29/1996	5,569,825	Lonberg et al.			
	41.	12/03/1996	5,580,717	Dower et al.			
	42.	12/03/1996	5,580,859	Felgner et al.			
	43.	12/17/1996	5,585,089	Queen et al.			
	44.	01/14/1997	5,593,994	Batt et al.			
	45.	02/18/1997	5,604,253	Lau et al.			
	46.	02/18/1997	5,604,260	Guay et al.			
	47.	04/01/1997	5,616,601	Khanna et al.			
	48.	04/29/1997	5,625,126	Lonberg et al.			
	49.	05/27/1997	5,633,425	Lonberg et al.			
	50.	06/17/1997	5,639,780	Lau et al.			
	51.	08/26/1997	5,661,016	Lonberg et al.			
	52.	12/02/1997	5,693,761	Queen et al.			
	53.	12/02/1997	5,693,762	Queen et al.			
↓	54.	03/31/1998	5,733,743	Johnson et al.			
JL	55.	05/12/1998	5,750,373	Garrard et al.			

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JL	56.	06/16/1998	5,766,863	Godowski et al.			
	57.	09/15/1998	5,807,715	Morrison et al.			
	58.	09/29/1998	5,814,482	Dubensky, Jr. et al.			
	59.	10/13/1998	5,821,337	Carter et al.			
	60.	12/01/1998	5,844,092	Presta et al.			
	61.	02/02/1999	5,866,692	Shitara et al.			
	62.	03/02/1999	5,877,016	Presta et al.			
	63.	04/06/1999	5,891,650	Godowski et al.			
	64.	11/09/1999	5,981,568	Kunz et al.			
	65.	12/07/1999	5,997,867	Waldmann et al.			
	66.	01/25/2000	6,017,878	Saragovi et al.			
	67.	04/25/2000	6,054,297	Carter et al.			
	68.	10/03/2000	6,127,401	Singh et al.			
	69.	11/28/2000	6,153,189	Presta et al.			
	70.	01/30/2001	6,180,370	Queen et al.			
	71.	01/30/2001	6,180,377	Morgan et al.			
	72.	04/03/2001	6,210,671	Co			
	73.	07/24/2001	6,265,150	Terstappen et al.			
	74.	09/18/2001	6,291,247	Riopelle et al.			
	75.	10/23/2001	6,306,849	Hudkins et al.			
	76.	12/18/2001	6,331,415	Cabilly et al.			
	77.	02/26/2002	6,350,861	Co et al.			
	78.	03/19/2002	6,359,130	Singh et al.			
	79.	04/23/2002	6,376,471	Lawrence, III et al.			
	80.	07/02/2002	6,413,942	Felgner et al.			
✓	81.	08/20/2002	6,436,908	Koch et al.			
JL	82.	01/14/2003	6,506,559	Fire et al.			

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FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
JL	83.	12/06/1989	EP 0 345 242	Europe			Abstract	
	84.	12/23/1992	EP 0 519 596	Europe				
	85.	02/03/1993	EP 0 524 968	Europe				
	86.	08/10/1988	GB 2,200,651	Great Britain				
	87.	07/30/1987	WO 87/04462	WIPO				
	88.	10/05/1989	WO 89/09225	WIPO				
	89.	07/26/1990	WO 90/07936	WIPO				
	90.	10/04/1990	WO 90/11092	WIPO				
	91.	01/10/1991	WO 91/00360	WIPO				
	92.	03/07/1991	WO 91/02805	WIPO				
	93.	10/03/1991	WO 91/14445	WIPO				
	94.	11/26/1992	WO 92/20373	WIPO				
	95.	03/04/1993	WO 93/03769	WIPO				
	96.	04/01/1993	WO 93/06213	WIPO				
	97.	05/27/1993	WO 93/10218	WIPO				
	98.	06/10/1993	WO 93/11230	WIPO				
	99.	09/30/1993	WO 93/19191	WIPO			Abstract	
	100.	12/23/1993	WO 93/25234	WIPO				
	101.	12/23/1993	WO 93/25698	WIPO				
	102.	02/17/1994	WO 94/03622	WIPO				
	103.	03/03/1994	WO 94/04690	WIPO				
	104.	06/09/1994	WO 94/12649	WIPO				
	105.	10/27/1994	WO 94/23697	WIPO				
	106.	12/22/1994	WO 94/28938	WIPO				
↓	107.	01/05/1995	WO 95/00655	WIPO				
JL	108.	03/23/1995	WO 95/07994	WIPO				

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JL	109.	05/04/1995	WO 95/11984	WIPO				
	110.	05/26/1995	WO 95/13796	WIPO				
	111.	11/16/1995	WO 95/30763	WIPO				
	112.	06/06/1996	WO 96/17072	WIPO				
	113.	05/01/1997	WO 97/15593	WIPO				
	114.	06/19/1997	WO 97/21732	WIPO				
	115.	11/13/1997	WO 97/42338	WIPO				
	116.	02/12/1998	WO 98/06048	WIPO				
	117.	04/30/1998	WO 98/17278	WIPO				
	118.	10/21/1999	WO 99/53055	WIPO				
	119.	11/18/1999	WO 99/58572	WIPO				
	120.	09/14/2000	WO 00/53211	WIPO				
	121.	11/23/2000	WO 00/69829	WIPO				
	122.	12/07/2000	WO 00/73344	WIPO				
	123.	04/19/2001	WO 01/27160	WIPO				
	124.	04/26/2001	WO 01/29058	WIPO				
	125.	09/07/2001	WO 01/64247	WIPO				
	126.	10/25/2001	WO 01/78698	WIPO				
	127.	12/06/2001	WO 01/92513	WIPO				
	128.	02/28/2002	WO 02/15924	WIPO				
	129.	03/07/2002	WO 02/17914	WIPO				
	130.	03/14/2002	WO 02/20479	WIPO				
✓	131.	06/06/2002	WO 02/44321	WIPO				
JL	132.	12/05/2002	WO 02/96458	WIPO				

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
JL	133.	Adey, N.B. et al. (1996). "Preparation of Second-Generation Phage Libraries" Chapter 16 <i>In Phage Display of Peptides and Proteins: A Laboratory Manual</i> Kay, B.K. et al. eds. Academic Press, Inc.: San Diego, CA pp.277-291.

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JL	134.	Agrawal, S. et al. (1998). "Mixed Backbone Oligonucleotides: Improvement in Oligonucleotide-Induced Toxicity <i>In Vivo</i> ," <i>Antisense & Nucleic Acid Drug Development</i> 8:135-139.	
↓	135.	Aley, K.O. et al. (1996). "Delayed Sympathectomy After a Prolonged Hyperalgesia Results in a Subsequent Enhanced Acute Hyperalgesic Response," <i>Neuroscience</i> 71(4):1083-1090.	
↓	136.	Al-Lazikani, B. et al. (1997). "Standard Conformations for the Canonical Structures of Immunoglobulins," <i>J. Molec. Biol.</i> 273:927-948.	
↓	137.	Aloe, L. et al. (1992). "Nerve Growth Factor and Distribution of Mast Cells in the Synovium of Adult Rats," <i>Clin. Exp. Rheumatol.</i> 10:203-204.	
↓	138.	Aloe, L. et al. (1992). "Nerve Growth Factor in the Synovial Fluid of Patients with Chronic Arthritis," <i>Arch. Rheum.</i> 35(3):351-355.	
↓	139.	Aloe, L. et al. (1993). "Level of Nerve Growth Factor and Distribution of Mast Cells in the Synovium of Tumour Necrosis Factor Transgenic Arthritic Mice," <i>Int. J. Tissue Reactions</i> 15(4):139-143.	
↓	140.	Aloe, L. et al. (1995). "Effect of NGF Antibodies on Mast Cell Distribution, Histamine and Substance P Levels in the Knee Joint of TNF-Arthritic Transgenic Mice," <i>Rheumatol. Int.</i> 14:249-252.	
↓	141.	Amann, R. et al. (1996). "Intraplantar Injection of Nerve Growth Factor into the Rat Hind Paw: Local Adema and Effects on Thermal Nociceptive Threshold," <i>Pain</i> 64:323-329.	
↓	142.	Andreev, N.Y. et al. (1995). "Peripheral Administration of Nerve Growth Factor in the Adult Rat Produces a Thermal Hyperalgesia that Requires the Presence of Sympathetic Post-Ganglionic Neurones," <i>Pain</i> 63:109-115.	
↓	143.	Apfel, S.C. et al. (1996). "Nerve Growth Factor Regulates the Expression of Brain-Derived Neurotrophic Factor mRNA in the Peripheral Nervous System," <i>Mol. Cell. Neurosci</i> 7:134-142.	
↓	144.	Armour, K. L. et al. (1999). "Recombinant Human IgG Molecules Lacking Fcγ Receptor I Binding and Monocyte Triggering Activities," <i>Eur. J. Immunol.</i> 29:2613-2624.	
↓	145.	Balint, R. F. et al. (1993). "Antibody Engineering By Parsimonious Mutagenesis," <i>Gene</i> 137:109-118.	
↓	146.	Bird, R.E. et al. (1988). "Single-Chain Antigen-Binding Proteins," <i>Science</i> 242:423-426.	
↓	147.	Bischoff, S.C. et al. (1992). "Effect of Nerve Growth Factor on the Release of Inflammatory Mediators by Mature Human Basophils," <i>Blood</i> 79(10):2662-2669.	
↓	148.	Boerner, P. et al. (1991). "Production of Antigen-Specific Human Monoclonal Antibodies From In Vitro-Primed Human Splenocytes," <i>J. Immunol.</i> 147(1):86-95.	
↓	149.	Boettger, M.K. et al. (2002). "Calcium-Activated Potassium Channel SK1- and IK1-like Immunoreactivity in Injured Human Sensory Neurones and its Regulation by Neurotrophic Factors," <i>Brain</i> 125:252-263.	
JL	150.	Borsani, G. et al. (1990). "cDNA Sequence of Human β-NGF," <i>Nuc. Acids Res.</i> 18(13):4020.	
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PTO/SB/ 08 (2-92) pa- 882985		Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE	

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JL	151.	Boyd, P.N. et al. (1996). "The Effect of the Removal of Sialic Acid, Galactose and Total Carbohydrate on the Functional Activity of Campath-1H," <i>Mol. Immunol.</i> 32(17/18):1311-1318.
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JL	167.	Clackson, T. et al. (1991). "Making Antibody Fragments Using Phage Display Libraries," <i>Nature</i> 352:624-628.

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pa- 882985

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JL	168.	Clynes, R. et al. (1998). "Fc Receptors Are Required in Passive and Active Immunity to Melanoma," <i>Proc. Natl. Acad. Sci. USA</i> 95:652-656.
	169.	Cole, S.P.C. et al. (1985). "The EBV-Hybridoma Technique and Its Application to Human Lung Cancer" In <u>Monoclonal Antibodies and Cancer Therapy</u> , Reisfeld, R. et al. eds., Alan R. Liss, Inc.: New York, NY, pp.77-96.
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JL	183.	Findeis, M.A. et al. (1993). "Targeted Delivery of DNA for Gene Therapy Via Receptors," <i>Trends Biotechnol.</i> 11:202-205.

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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Docket Number 514712000600</td> <td style="width: 50%;">Application Number 10/682,332</td> </tr> <tr> <td colspan="2">Applicant <div style="text-align: center;">David L SHELTON et al.</div></td> </tr> <tr> <td>Filing Date October 8, 2003</td> <td>Group Art Unit 1044</td> </tr> <tr> <td colspan="2">Mailing Date June 23, 2004</td> </tr> </table>		Docket Number 514712000600	Application Number 10/682,332	Applicant <div style="text-align: center;">David L SHELTON et al.</div>		Filing Date October 8, 2003	Group Art Unit 1044	Mailing Date June 23, 2004	
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		Applicant David L SHELTON et al.	
		Filing Date October 8, 2003	Group Art Unit 1044 1647
		Mailing Date June 23, 2004	
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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/682,332
				Filing Date	October 8, 2003
				First Named Inventor	David L. SHELTON
				Art Unit	1844 1647
				Examiner Name	R. Hayes
Sheet	1	of	1	Attorney Docket Number	514712000600

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JL	1.	US-2004/0228862-A1	11-18-2004	Shelton et al.	
I	2.	US-2004/0237124-A1	11-25-2004	Pons et al.	
JL	3.	US-2004/0253244-A1	12-16-2004	Shelton et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
JL	4.	WO-2004/032870-A2, A3	04-22-2004	Rinat Neuroscience Corp.		
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JL	9.	WO-2005/000194-A2, A3	01-06-2005	Rinat Neuroscience Corp.		

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NON PATENT LITERATURE DOCUMENTS					
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JL	10.	Banik, R.K. et al. (November 12, 2003). "Anti-NGF Treatment Attenuates Spontaneous Pain and Thermal, but Not Mechanical Hyperalgesia, After Hind Paw Incision in the Rat," <i>Society for Neuroscience</i> , Program No. 909.12, one page, Abstract Only.			
	11.	International Search Report for PCT Application No. PCT/US00/02000 filed October 8, 2000, mailed March 4, 2005, three pages. Considered; Do Not Print.			
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JL					

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